NC/QC/YPD/2018-19/BG-C1

Date: 23-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Narayanaswamy. K, Bangalore.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**184 min**	Shall not be less than 30 min
2	Final setting time	**267 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.84 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.11 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.76 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/BG-PCC1 **Date: 23-04-2018**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Narayanaswamy. K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**59.30**	0 -20	30- 70
10mm	**24.75**	0 -5	10- 35
4.75mm	**3.05**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.05**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**82.40**	60-95	75-100	85-100	
01.18	**70.90**	30-70	55-90	75-100	
600.mic	**55.70**	15-34	35-59	60-79	
300.mic	**16.25**	5-20	8-30	12-40	
150.mic	**6.60**	0-10	0-10	0-10	

*As furnished by Client.

The Results relate only to the items tested.

KIRAN. K
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/BG-C2 Date: 26-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Narayanaswamy. K, Bangalore.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**185 min**	Shall not be less than 30 min
2	Final setting time	**274 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.80 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.13 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**29.19 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. P
M.E, (Civil)

Asst. Executive Engineer
Project Division
Yelahanka Zone

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/BG-PCC2 **Date: 26-04-2018**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Narayanaswamy. K, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**54.80**	0 -20	30- 70
10mm	**32.45**	0 -5	10- 35
4.75mm	**3.70**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**99.10**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**80.65**	60-95	75-100	85-100	
01.18	**76.90**	30-70	55-90	75-100	
600.mic	**43.70**	15-34	35-59	60-79	
300.mic	**11.30**	5-20	8-30	12-40	
150.mic	**6.45**	0-10	0-10	0-10	

*As furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg.)

For Newzen Consultants Bangalore

Proprietor

Asst. Executive Engineer
Project Division
Yelahanka Zone

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL :newzen576@gmail.com

NC/QC/YPD/2018-19/BG-SSM1 Date: 30-04-2018

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.
{Project*: Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Narayanaswamy. K, Bangalore.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1357.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.42 %**	Not more than 2.0 %

*As Furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

Executive Engineer
Project Division
Yelahanka Zone
Bangalore

A.E

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/BG-C3 Date: 03-05-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Narayanaswamy. K, Bangalore.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**168 min**	Shall not be less than 30 min
2	Final setting time	**271 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.28 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.91 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**29.37 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

Executive Engineer
Project Division
Yelahanka Zone

For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/BG-FA1

Date: 03-05-2018

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Narayanaswamy. K, Bangalore.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**96.45**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.70**	60-95	75-100	85-100	
01.18	**71.20**	30-70	55-90	75-100	
600. mic	**50.95**	15.34	35-59	60-79	
300.mic	**23.45**	5-20	8-30	12-40	
150.mic	**7.30**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	Requirements as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**16.25 %**	-----
2	Silt Content	----	**0.68 %**	Not more than 8%
3	Specific Gravity	----	**2.60**	-------

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)
For Newzen Consultants Bangalore
Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/BG-CA1 **Date: 03-05-2018**

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.
{Project*: Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Narayanaswamy. K, Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	**100.00**	100.00	100.00
20 mm	**98.30**	85-100	90 - 100
10 mm	**49.10**	0 - 20	25 - 55
4.75 mm	**6.75**	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	**21.95 %**	Not to exceed 25 %
2.	Crushing value	**24.40 %**	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

*As Furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231,

NC/QC/YPD/2018-19/BG-S1 Date: 03-05-2018

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 & 12 mm **TMT Steel.**
{Project*: Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Narayanaswamy. K, Bangalore.

TABLE – 1

SL No	Details	For 10 mm		For 12 mm	
		Test Results	Min Req. as per IS 1786-2008	**Test Results**	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm	**12.0mm**	12.0mm
02	Observed Wt/m Length **Kg/m**	**0.621**	0.567	**0.895**	0.834
03	Proof stress/Yield stress, fy , **N/mm^2**	**544.0**	500.0	**549.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**20.60**	12.00	**20.10**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**635.0**	545.0	**647.0**	545.0

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/BG-1 Date: 10-05-2018

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.

{Project*: Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.Narayanaswamy. K, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen mm	Details	Cross Sectional Area mm^2	Maximum Load in KN	Compressive Strength N/mm^2	**Average Compressive Strength N/mm^2**
1	400 X 150 X 200	**Solid**	60000	260	4.33	**4.22**
2	,,	,,	60000	245	4.08	
3	,,	,,	60000	255	4.25	

*As furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor